

ANNOUNCEMENTS

GLASSTEC 2014: PATH TO SUCCESS (Düsseldorf, October 21 – 24, 2014)

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A presentation of the coming, world famous, international, specialized exhibition of the glass industry ‘Production – Processing – Products’ was held in Moscow during the ‘World of Glass 2014’ exhibition. The organizer of the exhibition was ‘Glasstec 2014’ — Messe Düsseldorf GmbH (Germany) with the support of the Glass Industry Technology Forum at the Association of German Machine Manufacturers VDMA, BV Glass — Industry Association of Glass Industry Enterprises of Germany, and BIV — Professional Union of Enterprises Specializing in Glass Machining Technology.

Mr. Michael Mandel, Deputy General Director of Messe Düsseldorf Moscow, opened the presentation. The addresses by Ms. Birgit Horn, Director of the International Specialized Exhibition Glasstec 2014, Messe Düsseldorf GmbH, and Mr. Manfred Vollbracht, Member of the Council of Exhibitors of the Glasstec 2014 Exhibition and General Director of the firm HEGLA, aroused great interest from the participants of the presentation.

The Glasstec exhibition in Düsseldorf will reunite once again the cream of the international glass industry. And after two years have passed the leading international specialized exhibition Glasstec will once again present to professionals display stands from about 1150 exhibitors from different countries who are working on the most diverse stages of the glass production line.

During the last exhibition season in 2012 the unique assortment of industry products and services attracted more than 42,000 specialists from different corners of the planet who are working in the specialized-machine manufacturing sector and in the manufacture, production, and machining of glass as well as technologists, architects, and developers of the technologies for window/façade production and solar energy.

Another unique feature is the wide international representation at the exhibition. Approximately 59% of the specialists from 86 countries attended the preceding Glasstec exhibition.

In 2014 the following topics will be presented at Glasstec:

- glass production/technological production processes;
- glass processing, machining, and finishing;

- solar energy, components, and raw materials for the production of solar cells;
- solar energy products and spheres of application;
- multifunctional façade technologies;
- machining and finishing technologies, designing with glass;
- tooling equipment, spare and replacement parts;
- measuring, monitoring, and regulating equipment for glass production and production equipment;
- glass use in construction and design of facades.

Special exhibits await the exhibitors: Glass Technology Live (pavilion 11), Center for the Design of Facades (pavilion 11), Center for the Glass Machining Technologies (Zentrum Handwerk) with the division Handwerk LIVE (pavilion 9), Glass Art (Artistic Work from Glass) (pavilion 9), and autoglass division Autoglass Arena (pavilion 10).

In the current 2014 season the exhibition pavilions of Düsseldorf (from 11 to 17) will once again become a demonstration platform for the manufacturing technologies for industrial glass. Solutions for all stages of production, first and foremost, industrial machines and equipment, will be presented here.

Visitors will be able to personally evaluate modern industrial advances and high technologies, which with no exaggeration will determine the future of the glass industry. Today, energy efficiency is an especially urgent topic; it has touched absolutely all aspects, be they energy production, the materials used or optimization of consumption for production, and all this against the background of constant perfection and improvement of the final product quality. The Association of German Machine Manufacturers, which includes 3100 enterprises specializing in the manufacture of equipment for the glass industry, makes a large contribution to these developments. Many of them have leading positions in the area of technologies.

Here are several examples:

- preheating of the batch;
- technologies for cleaning high-quality eco-friendly glass;
- technologies for systematic chemical strengthening of glass;
- use of vacuum manipulators for moving sheet glass;

- effective use of glass wastes;
- improvement of production lines for energy-conserving glass packages;
- complex systems used for the production of architectural glass (PVD systems for depositing coatings, quality control; complex control of a setup at maximum productivity and flexible use of equipment on minimal production platforms, and others);
- new-generation monitoring systems (modern 5D surface monitoring systems for ultrathin glass in five optical channel, making it possible to inspect all important characteristics of modern flat glass right up to the detection of micron-size defects, with especially high monitoring accuracy and effectiveness; optical 3D inspection makes it possible to monitor contact-free 100% of the surface of bent/curved glass directly during the production, for example, of any automobile glass).

German suppliers of equipment and technologies for the glass industry are actively working in the international arena. The main markets for sales together with Europe are Russia, China, India, and the Near East.

Everything that will determine the character of the glass industry in the coming years can be seen in the special show Glass Technology Live (GTL) in pavilion 11 (prepared under the direction of Professor Stefan Beling). This show has already become the business card of the exposition Glasstec. This is where the real innovations and tomorrow's products can be seen.

In the new 2014 season, within the framework of the special show under the general leitmotif 'Smart glass' (2500 m² of exhibition area), attention will be focused on facades and solar energy as well as progressive ideas in the field of interior design using glass.

As an organic part of the 'glass technology live' concept, numerous reports on the most topical questions of the glass industry by leading specialists at scientific-research institutes, industry associations and unions, enterprises, and architectural offices will be presented at a symposium of the same name GTL. Every visitor at the exhibition can participate in the symposium for free.

Visitors to Glasstec can participate in the work of the Center for Façade Design. The spectrum of the topics offered includes glass for façade designers, for civil engineers and architects, and for specialists on machining processes.

In the program of exhibition events the Architectural Congress will certainly be of interest. Here architects, specialists on the technologies of conditioning buildings, and façade designers will meet one another.

The scientific and technical conference 'Engineered Transparency' is devoted to real trends and developments in designs in construction using glass and is intended for target groups of representatives of the scientific-research sphere, builders, and designers of glass facades. The main topics, together with laminated glass and hybrid structures, bent/curved glass, solar energy, and technologies for sustainable develop-

ment, will be solar technologies integrated into buildings as well as design emphasizing structural solutions using glass, façade design, and solar-energy technologies.

The Center for Glass Machining Technologies (Zentrum Handwerk) will bring together within the framework of Glasstec all of the diverse products and services for the processing industries. Aside from the display stands of the Professional Association of Glass Machining Enterprises of Germany BIV and the proposals at the display stands of the exhibits in pavilion 9 an entire series of special events awaits representatives of this target group. For example, a new item of the 2014 season is a division under the name Handwerk LIVE, in whose space representatives of the machining technologies will gather and have the opportunity to personally approve the entire spectrum of industry equipment and tools. Eight stations where each representative can work independently will be offered.

Specialists in the machining industries will certainly be interested in the Autoglass Arena division intended mainly for auto glass specialists.

The Glass Art exhibit will be offered to visitors at the Center for Machining Technologies. Modern art objects made of glass will be on display here. The participants include not only well-known masters but also leading international galleries, the Hentrich glass museum, and the Creative Association of Glass Designers.

The fourth conferences for specialists in solar meets glass will be held within the framework of Glasstec — Industry Summit for Markets, Costs, and Technology in the space of the CCOst Congress-Center. Participants in discussions of real questions of concern in the industry will include representatives of not only the glass industry but also the solar energy industry, which once again underscores the uniqueness of this event in Glasstec's exhibition program.

The exhibition portal www.glasstec.de will assist visitors in finding their way among the diverse assortment of new products and services offered by the Glasstec exhibitors; here, specialists will find a complete review of the information structured by industry sectors. In the section Branchen-guide the exhibitors offer products and services in the following areas: 'Industry machine and tool manufacture', 'Production, machining, and finishing of glass', 'Windows and facades', and 'Solar energy'.

The section Trendkompass will offer a review of new developments in the most diverse fields even before the Glasstec work starts. The key topics are: 'Optimization of production processes and quality of glass products,' 'Innovative technologies for the production of thin-layer glass,' 'Innovative and 'smart' glass for architecture, interior design and automobiles,' 'Technical and special glass as well as innovations in the sphere of glass (including optical fiber technology),' 'Technical, special glass and innovative technologies in the sphere of thin-layer glass,' 'Light and hollow glass and packaging,' 'Innovative technologies for machining and processing glass,' and 'Utilization of composites based on glass.'

In summary, anyone interested in the exhibition can make use of the new possibilities of the online portal together with the conventional database on participating companies and products as well as the exhibition service Glasstec.

Messe Düsseldorf Moscow will assist in resolving all questions associated with your exhibit at Glasstec 2014 and will assist in obtaining a visa to enter Germany and admission tickets for the exhibitions, in resolving questions concerning housing in Düsseldorf, and suggest tour guides.

www.glasstec.de

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Exhibition GLASSTEC 2014 awaits you!